

## Occurrence of Soldier Bug (*Spilostethus pandurus*) in Van Province (Turkey) (Hemiptera, Lygaeidae)

Muhabbet Kemal Ahmet Ömer Koçak

Within the frame of the Cesa Project entitled *Entomofauna of Turkey* (ET)<sup>1</sup>, the following Soldier Bug (*Spilostethus pandurus*) is reported from Van Province (East Turkey) for the first time. This species feeds on many herbaceous plant species. It sucks the plant juices usually from stems and fruits.

The species is widely distributed from South Europe, to Namibia in Africa, and South East Asia. Information on the distribution of this species in Turkey is rather incomplete. According to Özşarac & Kıyak (2001)<sup>2</sup> the species is found in the Aegean, Marmara, Middle Anatolia, West Black Sea, and West Mediterranean regions of Turkey. In East Turkey, it is known only from Elazığ. Range of the species is illustrated below (Map 1).

### *Lygaeidae*

#### *Spilostethus pandurus* (Scopoli, 1763)

*Cimex pandurus* Scopoli, 1763, *Entomologia Carniolica*, 126-127, nr. 368: Type(s): Carniolia [see Fig.1].

Material examined: 1♂ Turkey: Van Province, Çatak, Ardic valley 2100m, 24 6 2007 M.Kemal & A.Ö.Koçak leg. (coll. Cesa).

<sup>1</sup> Announcement of Entomofauna of Turkey.- *Cesa News* 31: 7-8.

<sup>2</sup> Özşarac, Ö. & S.Kıyak, 2001, A study on the Heteroptera fauna of Bozcaada (Çanakkale Province). - *Turk. J. Zool.* 25: 313-322.

368. *CIMEX Pandurus.*

El. long. lin. 5. lat. —.

*Diagn.* Rubro nigroque varius. Thorax ruber; lineis (2) nigris, longitudinalibus. Elytrum rubrum; macula media nigra, punctisque tribus albis ad basim apicis membranacei.

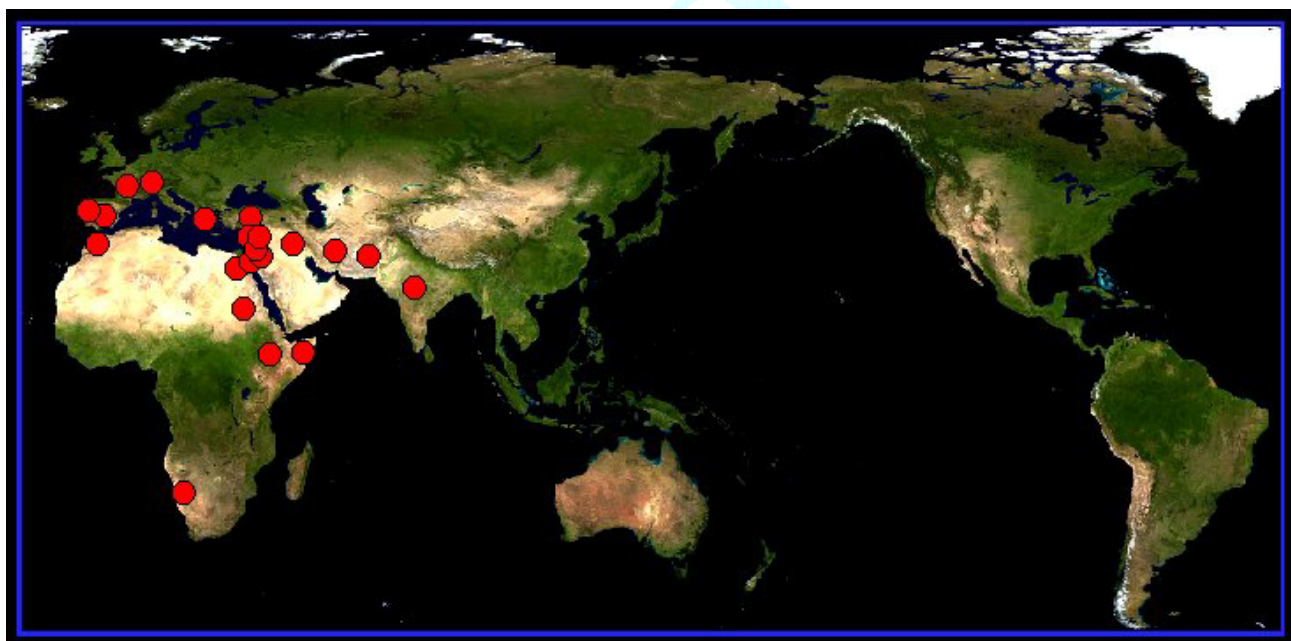
Circa *Labacum*, & in *Carniolia inferiore*.

Antennæ; rostrum, pedesque nigri. Caput nigrum; linea bifurca, rubra, litteram (V) referente in medio notatum. Thorax lin. 2½ latus, 1½ longus. Scutellum nigrum. Ad basim membranæ elytri

## Cimex. PROBOSCIDEA. Cimex. 127

elytri est linea conica, obliqua, coriaceo margini basi imposita, cui infra apicem adjacet punctum album, dum alia duo puncta alba separant elytri corium a membrana. Alæ teneræ, subhyalinæ, rufescente lunulata macula externe notatæ, infra quam margo alæ ad basim usque ruber est. Abdomen rubrum, carinatum; margine maculis (5), nigris, utrinque variegatum; incisuris basi fascia nigra; latere vero utroque puncto nigro maculatis. Pectus nigrum; maculis rubris, utrinque tribus.

**Fig. 1** - Original description of *Spilostethus pandurus* (Scopoli, 1763, *Entomologia Carniolica*, 126-127, nr. 368)



**Map 1** Range of the Soldier Bug (*Spilostethus pandurus* Scopoli) in the Old World (Info-system of the Cesa)





**Fig. 2-** Habitat of the Soldier Bug (*Spilostethus pandurus* Scopoli) in Van Province, Ardic valley 2100m 24 6 2007 photo M. Kemal (Cesa)



**Fig. 3-** The Soldier Bug (*Spilostethus pandurus* Scopoli) in Van Province, Ardic valley 2100m 24 6 2007 photo M. Kemal (Cesa)

## On the autumnal butterflies in the vicinity of Antakya (Hatay Province) (*Lepidoptera*)

Turgut Sarıgöl<sup>3</sup>

The Lepidoptera of Hatay Province was published by Koçak & Kemal (2007)<sup>4</sup> with the 510 recorded species. The following 12 butterfly species were observed and most of them photographed by the author around Titüs Tunnels, Samandağ on 2 October, 2008. Among them two species were observed in the province for the first time. Thus, the total species of *Hesperioidea* increased to 18, and *Papilionoidea* to 111 in Hatay Province.

The recorded species are listed below with their vernacular name in Turkish.

### *Nymphalidae*

*Aglais urticae* (Linnaeus,1758) (Küçük Kaplumbağa)

*Vanessa (Cynthia) cardui* (Linnaeus,1758) (Dikenkelebeği)

*Vanessa (s.str.) atalanta* (Linnaeus,1758) (Atalanta)

### *Satyridae*

*Ypthima asterope* (Klug,1832) (Karagöz) (**Fig. 1**)

### *Lycaenidae*

*Cigaritis acamas* (Klug,1834) (Şeytancık) (**Figs. 2-3**)

*Zizeeria (s.str.) karsandra* (Moore,1865) (**Figs. 4-5**) (Karsandra)

*Chilades (Freyeria) trochylus* (Freyer,[1843]) (**Fig. 6**) (Mücevherkelebeği)

*Lampides boeticus* (Linnaeus,1767) (Lampides)

### *Hesperiidae*

*Spialia (Neospialia) orbifer* (Hübner,[1823]) (**Fig. 7**) (Kızıl Zıpzıp)

*Muschampia proto* (Ochsenheimer,1808) (Akdeniz Zıpzıpı) (**Fig. 8**) New record!

*Gegenes nostrodamus* (Fabricius,1793) (Nostrodamus) (**Fig. 9**) New record!

*Carcharodus (s.str.) alceae* (Esper,[1780]) (**Fig. 10**) (Hatmi Zıpzıpı)

### Literature

Koçak,A.Ö. & M.Kemal, 2007,

Synonymical and distributional list of the species of Hatay Province (South Turkey) (Lepidoptera)  
*Cent. ent. Stud., Misc. Pap.* 120/121: 1-16.

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<sup>4</sup> <http://www.archive.org/details/CentreForEntomologicalStudiesAnkaraMiscellaneousPapers120-121>





**Fig. 1-** *Ypthima asterope*, photo Turgut Sarigül ©



**Fig. 2 -** *Cigaritis acamas* in copula, photo Turgut Sarigül ©



**Fig. 3-** *Cigaritis acamas*, photo Turgut Sarıgül ©



**Fig. 4-** *Zizeeria (s.str.) karsandra*, photo Turgut Sarıgül ©



**Fig. 5-** *Zizeeria (s.str.) karsandra*, photo Turgut Sarıgül ©



**Fig. 6-** *Chilades (Freyeria) trochylus*, photo Turgut Sarıgül ©





**Fig. 7-** *Spialia (Neospialia) orbifer*, photo Turgut Sarigül ©



**Fig. 8-** *Muschampia proto*, photo Turgut Sarigül ©





**Fig. 9-** *Gegenes nostradamus*, photo Turgut Sarigül ©



**Fig. 10-** *Carcharodus (s.str.) alceae*, photo Turgut Sarigül ©



## On the *Agrochola consueta* (H.-Sch.) in East Turkey (*Lepidoptera*, *Noctuidae*)

Muhabbet Kemal Ahmet Ömer Koçak

The species was originally described by Herrich-Schaffer in 1852 as *Orthosia consueta* from the vicinity İstanbul. The species is currently placed in the genus *Agrochola* Hbn and in the subgenus *Anchoscelis*. In *Anchoscelis*, totally 18 species are known in Turkey. Among them, the species *consueta* H.-Sch. is recorded in Siirt Province for the first time. With this record, totally number of *Agrochola* species in Siirt Province raised to six, namely, *Agrochola egorovi* O.Bang-Haas, *A. consueta* H.-Sch., *A. imitata* Ronkay, *A. sairtana* Derra, *A. mansueta* H.-Sch., and *A. pistacina* Goeze (= *lychnidis* Denis & Schiff.).

In the spring of this year, the first author recorded a caterpillar of this species in northern Siirt, Şirvan district, Hesko stream at 975m (**Fig. 1**). The caterpillar was captured on 24 April (**Fig. 2**). Pre-pupa stage seems to have a long period, from 30 April to 21 September under the laboratory conditions (**Fig. 3**). The specimen pupated on 21 September (**Figs. 4-5**). Adult female emerged on 29 October, 2008 (**Fig. 6**).

Regarding to this species, the studies are still continuing. Explanatory images of the habitat, caterpillar and adult moth of the species are given below:



**Fig. 1-** Habitat of *Agrochola consueta* H.-Sch. Siirt Prov., Hesko valley, 24 4 2008, photo Erdem Seven.





**Fig. 2-** Female caterpillar of *Agrochola consueta*. Turkey Siirt Pr., Şirvan, Hesko, 975m, 24 4 2008, photo M. Kemal (Cesa)



**Fig. 3-** Pre-pupa stage of *Agrochola consueta* under the laboratory conditions, 19 9 2008, photo M. Kemal (Cesa)





**Fig. 4-** Young pupa of *Agrochola consueta* under the laboratory condition, 1 10 2008, photo M. Kemal (Cesa)




**Fig. 5-** Mature pupa of *Agrochola consueta* under the laboratory condition, 26 10 2008 Photo M. Kemal (Cesa)





**Fig. 6-** Adult female of *Agrochola consueta* emerged on 29 October, 2008 under the laboratory condition, photo M. Kemal (Cesa)

 **Correction:** The figure 4 of the *Cesa News* Nr. 25, must be read as *Melitaea fascelis*, instead of *Melitaea cinxia*. My thanks to Mr. T. Sarigül are due to his kind attention on this matter. A.Ö.K.



### *Announcement of the Short Documentary Films of the Cesa*

Within the publication program of the Cesa, the following issues of the *Iconographia Insectorum* (Series A) and *Iconographia Arachnidorum* (Series A) were published.

The titles of the Mpeg films and their URL addresses are as follows:

**Acraea natalica in Butterflies of South Africa (September 3, 2008)**

Life of butterflies at Medike in Soutpansberg Mountains. *Acraea natalica* during feeding nectar on the flower, mpeg2, 0.39 minutes.

**by Muhabbet Kemal**

<http://www.archive.org/details/AcraeaNatalicaInButterfliesOfSouthAfrica>

**Biodiversity of Soutpansberg Mountains, the South Africa I. Butterflies, Behaviours of some Acraea species (September 25, 2008)**

Behaviours of some *Acraea* species. *Iconographia Insectorum* (Series A) A Documentary Video Records in Nature for Scientific Purpose by the CESA, mpeg2, 3.45 minutes.

by **Muhabbet Kemal & Ahmet Ö.Koçak**

<http://www.archive.org/details/BiodiversityOfSoutpansbergMountainTheSouthAfricaI.Butterflies>

**1. A hunting Camel Spider at Catak, Van Province, East Turkey (Galeodidae, Solifugae).**  
Behaviours in the night.

*Iconographia Arachnidorum* Series A (Nr.1) by the Cesa (October 8, 2008), mpeg2, 2.09 minutes.

by **Muhabbet Kemal**

<http://www.archive.org/details/IconographiaArachnidorumSeriesABByTheCesa>

**2. A Camel Spider at Kemaliye, Erzincan Province, East Turkey (Galeodidae, Solifugae).**  
Behaviours in the night.

*Iconographia Arachnidorum* Series A (Nr.2) by the Cesa (October 9, 2008), mpeg2, 2.06 minutes.

by **Muhabbet Kemal**

<http://www.archive.org/details/IconographiaArachnidorumSeriesAnr.2ByTheCesa>

**A Firefly at Mon Long Summit (December 21, 2005)**

<http://www.archive.org/details/AFireflyatMonLongSummit>

A short film on the behaviour of a lampyrid species (*Coleoptera*), during a short visit to a view point of Doi Suthep (Mon Long Summit), Chiang Mai, North Thailand, mpeg2, 5.32 minutes.

by **Muhabbet Kemal**

This film is also a part of the scientific project of the Cesa entitled Entomofauna of the Old World (EOW)

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## *Announcement on the forthcoming electronical publications of the Cesa*

Taking the recent progresses on the electronical publications in the Zoology (see ICZN- *Zootaxa* 1908: 57-67, 17 October, 2008) into consideration, the status of the scientific serials and other publications of the Cesa should be updated.

According to the new publication strategy of the Cesa, the scientific articles will be published in the following, exchangable serials as online access available to the readers. For this purpose, the previous exchange agreements will be revised and new agreements will be established with the entomological institutions, societies, museums of nature, and related departments of the universities in the World.

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*Priamus Supplement*  
*Memoirs*  
*Miscellaneous Papers*  
*Cesa News*  
*Studies on African Lepidoptera*  
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